Subject index of volume 108

Abstinence 495 Acetylcholine 417 Acetylcholinesterase-inhibitor 103 Acoustic startle response 40, 189 ACTH 27 Addiction 218, 397, 408 Adrenalectomy 27 α-Adrenergic antagonists, atipamezole α-Adrenergic receptor 313 α₁-Adrenergic antagonists, prazosin α2-Adrenergic agonists, dexmedetomidine 229 Aerosol 519 Aggression 177, 196, 276 Agonistic behavior 196 Alcohol 276 Alternative reinforcer 295 Alzheimer's disease 103, 480, 485 Ambulatory activity 271 Amitriptyline 327 Amygdala 189 Analgesia 60 Animal behavior 196 Animal model 352 Animal model of alcoholism 136 Animal models of anxiety 205 Antagonist 320 Anticholinergic 327 Antidepressants 23, 93 Antidepressants 327 Antiepileptic drugs 131 Antipredator defense 352 Antipsychotics 98 Anxiety 213, 313, 333, 352, 387 Anxiogenic property 205 Anxiolysis 229 Apomorphine 47, 72, 367 Arginine-vasopressin 225 Arousal 456 Attention 159, 485 Aversion 110

Behavioral economics 1
Behaviour 283
Benzodiazepine 72, 333
Benzodiazepine agonist, midazolam 229
Benzodiazepine antagonist, flumazenil 229
Benzodiazepine physical dependence 301
Benzodiazepine receptors 16
Benzodiazepines 147, 196, 248, 371
Beta-CCE 205
Blood pressure 313
Body weight 501
Brain levels 338
Bromperidol 338
Bromperidol 338
Bungarotoxin-receptors 33
Buspirone 289, 380

Caffeine 51 Carbamazepine 131 Carbon monoxide 466 Chick 235 Chlordiazepoxide 72, 263 Chlorpromazine 289, 338, 345 Cholinomimetics 11 Chronic cocaine treatment 263 Chronic exposure 51 Chronic treatment 33 Cigarette 452 Cigarette smoking 1, 460, 495, 512 Clonazepam 131 Clonidine 159, 283 Clovoxamine 327 Cocaine 256, 295 Cocaine abuse 289 Cocaine discontinuation 263 Cold pressor pain 60 Conditioning 218 Conflict schedule 185 Consolidation 448 Continuous performance task reaction time 437 Controlled dosing 519 Corticosteroids 11 Corticosterone 27, 33 Cortisol 153, 313 Cortisol response 519 Cotinine 507 Cue learning 147 11C 16

Defensive behavior 205 Demand 1 Dementia 103 Dependence 218, 333, 408, 507 Depression 93 Desipramine 363 Development 256 Diazepam 131, 147, 301, 371 Discrete-trials choice 295 **DOI 27** Dopa decarboxylase 98 Dopamine 72, 177, 189, 256, 345, 367 Dopamine antagonists 289 Dose-related 460 Doxazosine 283 **DRL** 115 Drug abuse 60 Drug discrimination 85 Drug interactions 115 Drug selfadministration 1 Drug stimulus exposure 495 Dynorphin 235 D₂ receptors 47

EEG 473
Electroconvulsive treatment 367
Elevated plus-maze 229
Emotional reactivity 170
β-endorphin 153
Ethanol 301
Ethanol intake 136
Etoperidone 320
Euphoriant effects 460
Examination anxiety 456
Excitatory amino acid 110
Exploration 170

Facilitation 443
Fear 352
FG 7142 185, 205
Flumazenil 147
Fluphenazine 338
Food consumption 501
FR 115

GABA 196 Genetic 136 Gepirone 289 Guanfacine 159

Haloperidol 141, 338 5-HT₂ receptor 387 5-HT₃ 333 5-HT_{1A} 123, 320 5-HT_{1A} agonists 47 5-HT_{1A} receptor 110 5-HT_{1A} receptors 85, 380 5-HT_{1B} 123 Human 103, 225, 345, 371 Human brain 16 Humans 51, 60

Idazoxan 313
Imipramine 23
In vitro autoradiography 16
Individuality 67
Infantile stimulation 170
Information processing 485
Inhibitory avoidance learning 131
Insomnia 67
Inverse agonist 185

Kappa opioid receptor 235 Ketanserin 27 Ketanserine 210

Late luteal phase dysphoric disorder 153
Lateralisation 473
Learning 345, 480
Lithium 93
Locomotion 177, 196
Locomotor activity 352, 367
Locus coeruleus 23
Long-term memory 448
Lorazepam 345, 371

m-chlorophenylpiperazine 225 MCPP 320 Mecamylamine 417, 480 Memory 159, 235, 327, 345, 371, 417, 443, 452 Memory improvement 11 Mesolimbic dopamine system 141 Methamphetamine sensitivity 271 MHPG 313 Mice 131, 271, 276, 367 Microeconomics 1 MK-801 115, 271, 352, 367 Monkey brain 16 Mood 60 Morphine 40, 60, 147, 283 Morphine-6-glucuronide 60 Morris water maze 147

Subject index of volume 108

Abstinence 495 Acetylcholine 417 Acetylcholinesterase-inhibitor 103 Acoustic startle response 40, 189 ACTH 27 Addiction 218, 397, 408 Adrenalectomy 27 α-Adrenergic antagonists, atipamezole α-Adrenergic receptor 313 α₁-Adrenergic antagonists, prazosin α2-Adrenergic agonists, dexmedetomidine 229 Aerosol 519 Aggression 177, 196, 276 Agonistic behavior 196 Alcohol 276 Alternative reinforcer 295 Alzheimer's disease 103, 480, 485 Ambulatory activity 271 Amitriptyline 327 Amygdala 189 Analgesia 60 Animal behavior 196 Animal model 352 Animal model of alcoholism 136 Animal models of anxiety 205 Antagonist 320 Anticholinergic 327 Antidepressants 23, 93 Antidepressants 327 Antiepileptic drugs 131 Antipredator defense 352 Antipsychotics 98 Anxiety 213, 313, 333, 352, 387 Anxiogenic property 205 Anxiolysis 229 Apomorphine 47, 72, 367 Arginine-vasopressin 225 Arousal 456 Attention 159, 485 Aversion 110

Behavioral economics 1
Behaviour 283
Benzodiazepine 72, 333
Benzodiazepine agonist, midazolam 229
Benzodiazepine antagonist, flumazenil 229
Benzodiazepine physical dependence 301
Benzodiazepine receptors 16
Benzodiazepines 147, 196, 248, 371
Beta-CCE 205
Blood pressure 313
Body weight 501
Brain levels 338
Bromperidol 338
Bromperidol 338
Bungarotoxin-receptors 33
Buspirone 289, 380

Caffeine 51 Carbamazepine 131 Carbon monoxide 466 Chick 235 Chlordiazepoxide 72, 263 Chlorpromazine 289, 338, 345 Cholinomimetics 11 Chronic cocaine treatment 263 Chronic exposure 51 Chronic treatment 33 Cigarette 452 Cigarette smoking 1, 460, 495, 512 Clonazepam 131 Clonidine 159, 283 Clovoxamine 327 Cocaine 256, 295 Cocaine abuse 289 Cocaine discontinuation 263 Cold pressor pain 60 Conditioning 218 Conflict schedule 185 Consolidation 448 Continuous performance task reaction time 437 Controlled dosing 519 Corticosteroids 11 Corticosterone 27, 33 Cortisol 153, 313 Cortisol response 519 Cotinine 507 Cue learning 147 11C 16

Defensive behavior 205 Demand 1 Dementia 103 Dependence 218, 333, 408, 507 Depression 93 Desipramine 363 Development 256 Diazepam 131, 147, 301, 371 Discrete-trials choice 295 **DOI 27** Dopa decarboxylase 98 Dopamine 72, 177, 189, 256, 345, 367 Dopamine antagonists 289 Dose-related 460 Doxazosine 283 **DRL** 115 Drug abuse 60 Drug discrimination 85 Drug interactions 115 Drug selfadministration 1 Drug stimulus exposure 495 Dynorphin 235 D₂ receptors 47

EEG 473
Electroconvulsive treatment 367
Elevated plus-maze 229
Emotional reactivity 170
β-endorphin 153
Ethanol 301
Ethanol intake 136
Etoperidone 320
Euphoriant effects 460
Examination anxiety 456
Excitatory amino acid 110
Exploration 170

Facilitation 443
Fear 352
FG 7142 185, 205
Flumazenil 147
Fluphenazine 338
Food consumption 501
FR 115

GABA 196 Genetic 136 Gepirone 289 Guanfacine 159

Haloperidol 141, 338 5-HT₂ receptor 387 5-HT₃ 333 5-HT_{1A} 123, 320 5-HT_{1A} agonists 47 5-HT_{1A} receptor 110 5-HT_{1A} receptors 85, 380 5-HT_{1B} 123 Human 103, 225, 345, 371 Human brain 16 Humans 51, 60

Idazoxan 313
Imipramine 23
In vitro autoradiography 16
Individuality 67
Infantile stimulation 170
Information processing 485
Inhibitory avoidance learning 131
Insomnia 67
Inverse agonist 185

Kappa opioid receptor 235 Ketanserin 27 Ketanserine 210

Late luteal phase dysphoric disorder 153
Lateralisation 473
Learning 345, 480
Lithium 93
Locomotion 177, 196
Locomotor activity 352, 367
Locus coeruleus 23
Long-term memory 448
Lorazepam 345, 371

m-chlorophenylpiperazine 225 MCPP 320 Mecamylamine 417, 480 Memory 159, 235, 327, 345, 371, 417, 443, 452 Memory improvement 11 Mesolimbic dopamine system 141 Methamphetamine sensitivity 271 MHPG 313 Mice 131, 271, 276, 367 Microeconomics 1 MK-801 115, 271, 352, 367 Monkey brain 16 Mood 60 Morphine 40, 60, 147, 283 Morphine-6-glucuronide 60 Morris water maze 147

Motor activity 177, 196 mRNA levels 98

N-allylnormetazocine 115 Naloxone 40, 141, 147 Naltrexon 79 Nasal nicotine spray 512 Nicotine 397, 408, 417, 443, 448, 452, 456, 460, 466, 473, 480, 485, 501, 507, 519 Nicotine effects 512 Nicotine gum 432 Nicotine pharmacokinetics 512 Nicotine regulation 1 Nicotine replacement treatment 512 Nicotine-tolerance 33 Nicotinic 417 Nicotinic cholinergic-stress 33 NMDA antagonist 352 NMDA receptor 367 Nociception 123 Non-match-to-sample task 72 Nootropics 11 nor-binaltorphimine 235 Norepinephrine 313 Nucleus accumbens 189

8-OH-DPAT 85
Opiate 218
Opiates 177
Opioid 218
Opioid peptides 235
Opioid receptor 141
Opioids 79, 147
Opponent process 79
Oral self-administration 301
Orbital cortex 189

Peck-avoidance 235
Penile erections 47
Periaqueductal gray 110
Perinatal flumazenil (Ro 15-1788) 170
PET 16
Pharmacological challenge 380
Phencyclidine 115
Phenylpropanolamine 501
Phenytoin 131
Physical dependence 40, 51
Physiological response 519

Place learning 147
Platelet 210
Positron emission tomography 16, 380
Prefrontal cortex 159
Premenstrual symptoms 153
Prenatal exposure 256
Prepulse inhibition 189
Progressive-ratio 295
Proponent process 79
Psychomotor performance 432
Psychopharmacological effects 466
Punishment 185

Quazepam 248 Quinpirole 72, 256

Radial arm maze 72 Rat 40, 47, 147, 185, 229, 263, 283 Rat brain 363 Rats 320 Rebound insomnia 67, 248 Reinforcement 51 Reinstatement 79 Relapse 79, 218, 495 Repeated administration 271 Repetition priming 371 RFT (Reciprocal Forepaw Treading) 320 Rhesus monkey 289, 295 Ritanserin 213, 263, 387 Ro 15-4513 16 Roman high- and low-avoidance rats 170

Schedule-controlled behavior 115
Schizophrenia 98
SCH23390 72
Selective breeding 136
Self-administration 79, 295
Self-administration of drugs 289
Sensorimotor gating 189
Serotonin 60, 93, 110, 123, 153, 225, 320
Serotonin receptors 210
Serotonin-2 (5-HT₂) binding site 27
Sex differences 352
Short-term memory 485
SKF38393 72
SKF104078 159

Sleep 67, 213 Sleep-wakefulness 263 Slow wave sleep 387 Smokers 519 Smoking 408, 432, 437, 448, 456, 473 Snuff 507 Social status 276 Spinal cord 123 Spinal reflexes 123 Statistical parametric mapping 380 Stress 23, 276, 456 Striatum 189 Subjective effects 51 Subjective response 519 Substance withdrawal syndrome 67 Sulpiride 72 (+) S-20499 47

Tar 466
Tobacco use 397
Tolerance 51, 218
Tomography, single photon emission computed 103
Trazodone 320
Triazolam 67, 301
Tricyclics 327
Tryon rats 136
Tryptophan 60
Tyrosine hydroxylase 23, 98
[125] Tyr11-somatostatin binding sites 363

UK-14.304 283 Unit price 1 U-50,488 235

Water consumption 501 Wet-dog shakes 27 Withdrawal 40, 177, 218, 283 Withdrawal-deficit 437 Withdrawal effects 213 Working/episodic memory 72

Yawning 47 Yohimbine 313

Zacopride 333 Zolpidem 248 Zopiclone 248